

# The GHS Hazard Grouping

## The Physical Hazard



**Flammable**

**Description**

- Flammables (Gases, Aerosols, Liquids and Solids)
- Substances which in contact with Water Emit Flammable Gases

**Product Samples**

- Acetic Acid
- Cyclohexane
- Acetone
- Diethyl Ether
- Acetonitrile
- 1,4-Dioxan
- Chlorobenzene
- Ethanol

- Self-Reactive Substances
- Pyrophorics (Liquids, Solids)
- Self-Heating Substances
- Organic Peroxides
- Desensitized Explosives

- Ethyl Acetate
- Methanol
- Methyl Ethyl Ketone
- n-Heptane
- n-Hexane
- Petroleum Ether
- Propan-2-ol
- Toluene



**Oxidizing**

- Oxidizing (Gases, Liquids, Solids)

- Ammonium Persulfate
- Nitric Acid
- Potassium Iodate
- Potassium Nitrate
- Silver Nitrate
- Sodium Nitrate
- Sodium Nitrite



**Corrosive**

- Substances Corrosive to Metal

- Acetic Acid
- Hydrochloric Acid
- Nitric Acid
- Phosphoric Acid
- Potassium Hydroxide
- Silver Nitrate
- Sodium Hydroxide
- Sulfuric Acid



**Explosive**

- Explosives
- Self-Reactive Substances
- Organic Peroxides



**Compressed gas**

- Gases Under Pressure



## The Health Hazard



**Human Health**

**Description**

- Germ Cell Mutagenicity
- Carcinogenicity
- Toxic to Reproduction
- Aspiration Toxicity

**Product Samples**

- Chloroform
- Cyclohexane
- 1,2-Dichloroethane
- Dichloromethane
- Dimethylformamide
- 1,4-Dioxan
- Methanol
- n-Heptane

- n-Hexane
- n-Octane
- n-Pentane
- Petroleum Ether
- Tetrahydrofuran
- Toluene
- 2,2,4-Trimethylpentane
- Xylene



**Hazardous**

- Acute Toxicity (Low)
- Eye Irritation
- Respiratory or Skin Sensitization

- Acetone
- Acetonitrile
- Diethyl Ether
- Ethanol
- Ethyl Acetate
- Hydrochloric Acid
- n-Hexane
- Petroleum Ether
- Potassium Hydroxide
- Tetrahydrofuran



**Corrosive**

- Skin Corrosive/Irritation
- Serious Eye Damage/Eye Irritation

- Acetic Acid
- Hydrochloric Acid
- Nitric Acid
- Phosphoric Acid
- Potassium Hydroxide
- Silver Nitrate
- Sodium Hydroxide
- Sulfuric Acid



**Toxic**

- Acute Toxicity (High)

- Chloroform
- Formaldehyde
- Methanol
- Methyl Orange
- Sodium Nitrite

## The Environmental Hazard



**Environmental Hazard**

**Description**

- Hazardous to the Aquatic Environment
- Hazardous to the Ozone Layer

**Product Samples**

- Cyclohexane
- Iodine (Resublimed)
- n-Hexane
- Petroleum Ether
- Silver Nitrate

